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(54) Title: HEAT TRANSMITTING FLUID AND ITS RESPECTIVE OBTAINING PROCESS

(57) Abstract: The present invention refers to a revolutionary non-toxic heat transmitting fluid, applicable to thermal oil systems in the food, pharmaceutical, cosmetic and chemical industry, which need heating without the use of flame or electrical resistance, to which original innovating functional disposition has been given, being different from other types of heat transmitting fluids usually found in the market, since it is composed of antioxidant based on derived phenyl and fluid based on polyinternalolefines PIO or polyalfaolefines PAO, being satisfactorily applied as heat transmitting fluid in application temperatures between -40 and 395 °C, being that its specific application is of heat transmitting fluid totally synthetic, for thermal oil systems in the food, pharmaceutical, cosmetic and chemical industry.

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